

# TX-396L

*Natural Sound AM/FM Stereo Tuner*

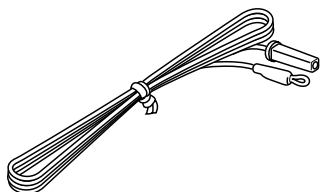
*Syntonisateur AM/FM stéréo de la série "Natural Sound"*

OWNER'S MANUAL  
MODE D'EMPLOI  
BEDIENUNGSANLEITUNG  
BRUKSANVISNING  
MANUALE DI ISTRUZIONI  
MANUAL DE INSTRUCCIONES  
GEBRUIKSAANWIJZING

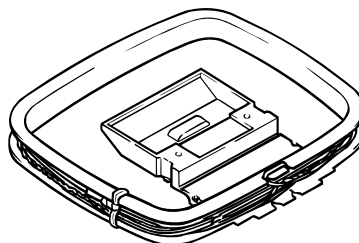
**SUPPLIED ACCESSORIES**  
**ACCESSOIRES FOURNIS**  
**MITGELIEFERTE ZUBEHÖRTEILE**  
**MEDFÖLJANDE TILLBEHÖR**  
**ACCESSORI IN DOTAZIONE**  
**ACCESORIOS INCLUIDOS**  
**BIJGELEVERDE ACCESSOIRES**

- After unpacking, check that the following parts are contained.
- Après le déballage, vérifiez que les pièces suivantes sont incluses.
- Nach dem Auspacken überprüfen, ob die folgenden Teile vorhanden sind.
- Kontrollera efter det apparaten packats upp att följande delar finns med.
- Verificare che tutte le parti seguenti siano contenute nell'imballaggio dell'apparecchio.
- Desembalar el aparato y verificar que los siguientes accesorios están en la caja.
- Controleer na het uitpakken of de volgende onderdelen voorhanden zijn.

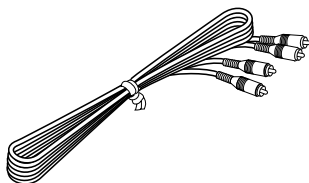
- Indoor FM Antenna
- Antenne FM intérieure
- UKW-Innenantenne
- FM inomhusantenn
- Antenna FM per interni
- Antena FM interior
- FM Binnenantenne



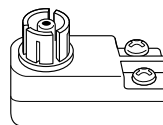
- AM Loop Antenna
- Cadre-antenne AM
- MW-Rahmenantenne
- AM ramantenn
- Antenna AM ad anello
- Antena de cuadro de AM
- AM Lusantenne



- Audio connection cord
- Câble de connexion audio
- Audio-Anschlußkabel
- Audio anslutningsladdar
- Cavo di collegamento audio
- Cable de conexión de audio
- Audio aansluitkabel



- 75-ohm/300-ohm antenna adapter (U.K. model only)
- Adaptateur d'antenne 75 ohms/300 ohms (Modèle Royaume-Uni seulement)
- 75-Ohm/300-Ohm Antennenstecker (nur Großbritannien-Modell)
- 75 ohm/300 ohm antennadapter (gäller endast modellerna för Storbritannien)
- Adattatore per antenna da 75 e 300 ohm (Soltanto il modello per la Gran Bretagna)
- Adaptador de antena de 75-ohmios/300-ohmios (Sólo el modelo para el Reino Unido)
- 75 ohm/300 ohm antenneadapter (Alleen modellen voor Verenigd Koninkrijk)



## FEATURES

- 40 Station Random Access Preset Tuning
- Automatic Preset Tuning
- Multi-Status Station Memory
- Direct PLL Synthesizer Tuning
- Preset Station Shifting Capability (Preset Editing)

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## CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1. This unit is a sophisticated stereo tuner. To assure proper operation and the best possible performance, please read this manual carefully.
2. Choose the installation location for the unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibration and excessive dust, heat, cold or moisture. Keep it away from such sources of hum as transformers or motors.
3. Do not open the cabinet, because this may result in damage to the unit or electrical shock. If a foreign object should get into the unit, contact your local dealer.
4. When not planning to use this unit for long periods of time (ie., vacation, etc.), disconnect the AC power plug from the wall outlet.
5. To prevent lightning damage, disconnect the AC power plug and disconnect the antenna cable when there is an electrical storm.
6. When disconnecting the power plug from the wall outlet, always pull directly on the plug; never pull the cord itself.
7. Do not use force when operating switches and other controls.
8. When moving the unit, be sure to first disconnect the power plug and disconnect all wires connected from the unit to other equipment.
9. Do not attempt to clean this unit with chemical solvents, because this may damage the finish. Use a clean, dry cloth.
10. Be sure to read the "TROUBLESHOOTING" section of this manual for advice on common operating errors before concluding that the unit is faulty.
11. Keep this manual in a safe place for future reference.

### IMPORTANT

Please record the serial number of this unit in the space below.

Serial No.:

The serial number is located on the rear of the unit. Retain this Owner's Manual in a safe place for future reference.

### WARNING

**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

The apparatus is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the apparatus itself is turned off.

### For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

**Note:** The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

### Special Instructions for U.K. Model

### IMPORTANT

THE WIRES IN THE MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL  
Brown: LIVE

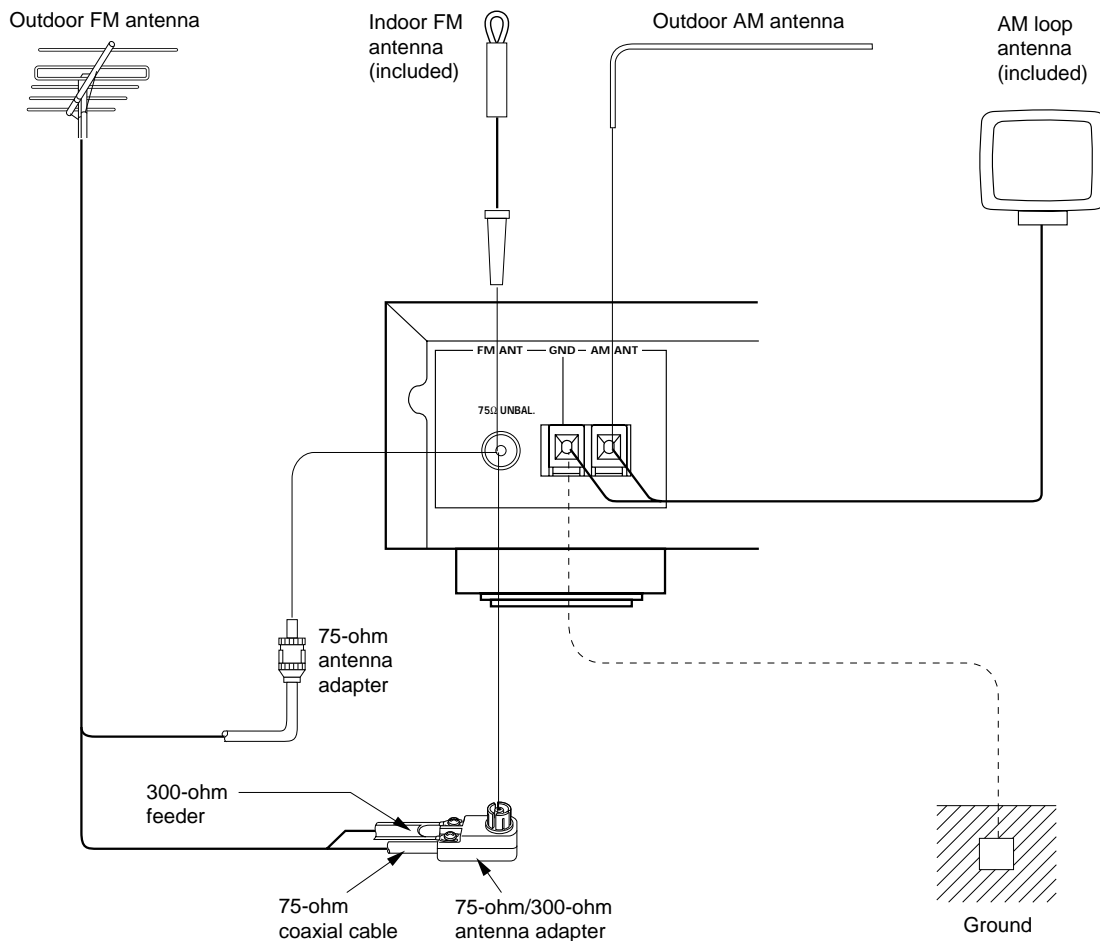
The colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug. Proceed as follows: the wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Making sure that neither core is connected to the earth terminal of the three pin plug.

# CONNECTIONS

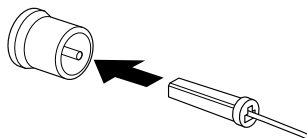
**Never plug in this unit and other components until all connections are completed.**

## ANTENNA CONNECTIONS

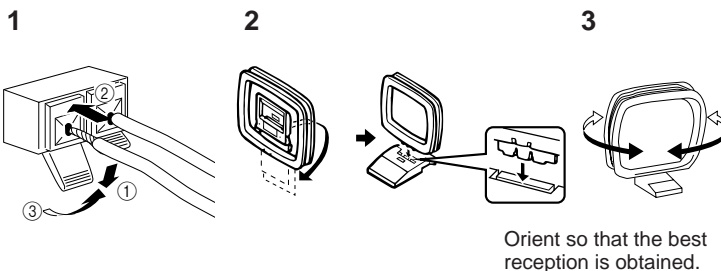
- Each antenna should be connected to the designated terminals correctly, referring to the following figure.
- Both AM and FM indoor antennas are included with this unit. In general, these antennas will probably provide sufficient signal strength. Nevertheless, a properly installed outdoor antenna will give clearer reception than an indoor one. If you experience poor reception quality, an outdoor antenna may result in improvement.



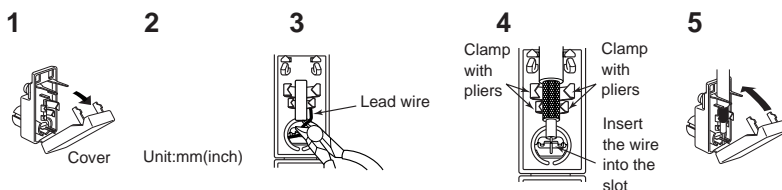
### Connecting the indoor FM antenna



### Connecting the AM loop antenna



### Connecting a coaxial cable to the included 75-ohm/300-ohm antenna adapter

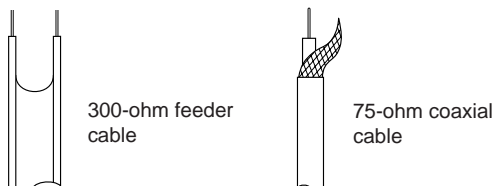


- 1 Open the cover of the included 75-ohm/300-ohm antenna adapter.
- 2 Cut the external sleeve of the 75-ohm coaxial cable and prepare it for connection.
- 3 Cut the lead wire and remove it.
- 4 Insert the cable wire into the slot, and clamp it with pliers.
- 5 Snap the cover into place.

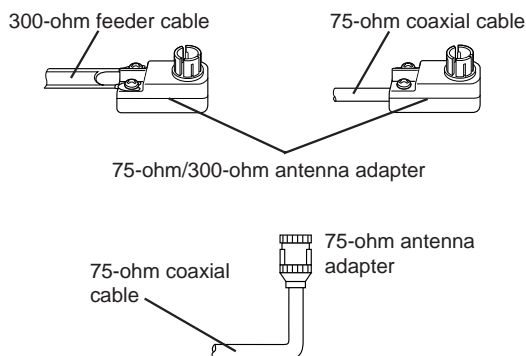
- \* If you connect an outdoor FM antenna to this unit, do not connect the indoor FM antenna to this unit.
- \* The AM loop antenna should be placed apart from the main unit. The antenna may be hung on a wall.
- \* The AM loop antenna should be kept connected, even if an outdoor AM antenna is connected to this unit.

## ■ Optional outdoor FM antenna

Consult with your dealer or authorized service center about the best method of selecting and erecting an outdoor FM antenna. The choice of the feeder cable is also important. Flat ribbon-shaped twin-lead cable performs well electrically, and is cheaper and somewhat easier to handle when routing it through windows and around rooms. Coaxial cable is more expensive, does a much better job of minimizing interference, is less prone to the effects of weather and close-by metal objects, and is nearly as good a signal conductor as feeder cable, particularly for foam-type coaxial cables. Coaxial cable is somewhat more difficult to install at the point where the cable enters the building. If coaxial cable is selected, make sure the antenna is designed to be used with that type of cable.



- \* Use a 75-ohm/300-ohm antenna adapter or a 75-ohm antenna adapter (not included) for connections.



### Notes for FM antenna installation

- To minimize automobile ignition noise, locate the antenna as far from heavy traffic as possible.
- Keep the feeder cable or coaxial cable as short as possible. Do not bundle or roll up excess cable.
- The antenna should be at least two meters (6.6 feet) from reinforced concrete walls or metal structures.

## ■ Optional outdoor AM antenna

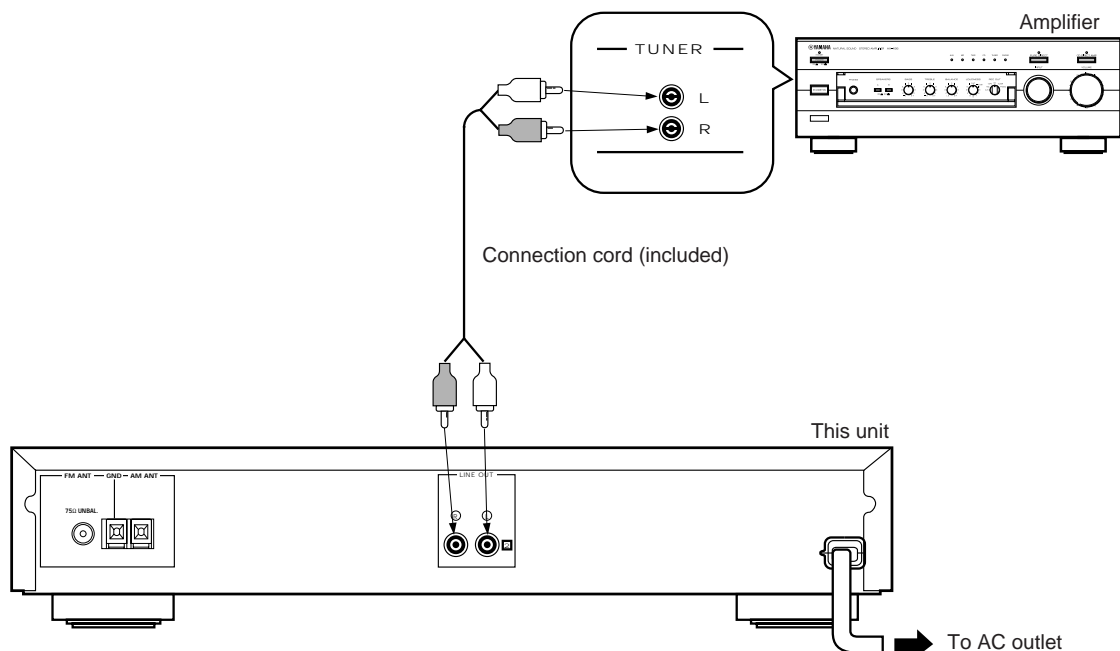
In steel buildings or at a great distance from the transmitter, it may be necessary to install an outside long wire antenna.

### GND terminal

For maximum safety and minimum interference, connect the **GND** terminal to a good earth ground. A good earth ground is a metal stake driven into moist earth.

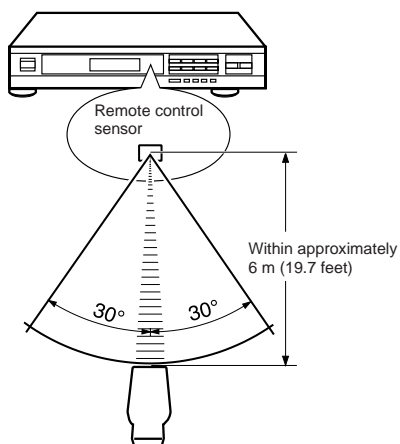
## CONNECTIONS TO THE AMPLIFIER

- Before making any connections, switch OFF the power to this unit and the amplifier or other component.
- Be sure that the connections from the left ("L") and right ("R") LINE OUT terminals are connected to the corresponding (left and right) input terminals of the amplifier or other component.
- If you have a YAMAHA amplifier whose terminals on the rear panel are numbered as 1, 2, 3, etc., connections can be made easily by making sure to connect the LINE OUT terminals of this unit to the input terminals of the amplifier numbered 2.



## NOTES ABOUT CONTROLLING THIS UNIT WITH THE REMOTE CONTROL TRANSMITTER

This unit has a remote control sensor. It receives signals from a remote control transmitter provided with a YAMAHA amplifier or receiver.

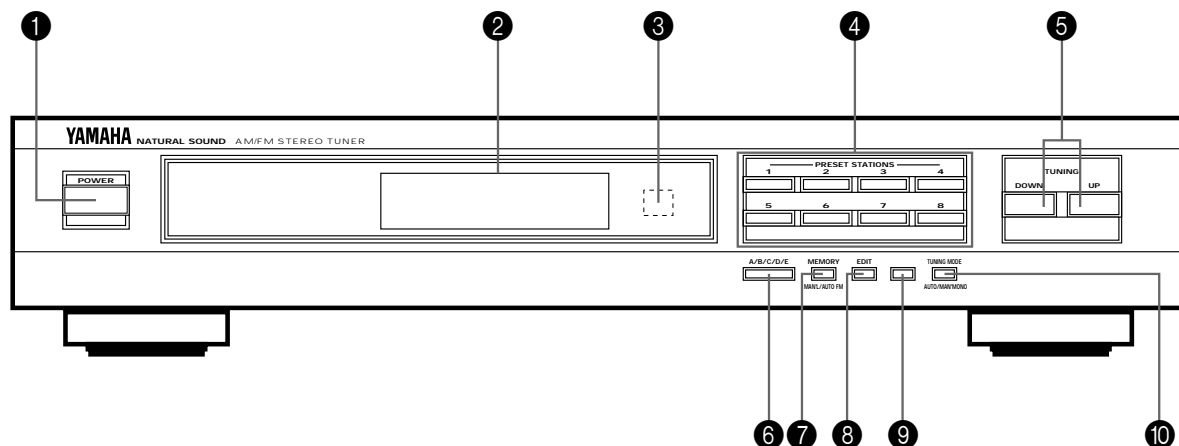


### Notes

- There should be no large obstacles between the remote control transmitter and the main unit.
- If the remote control sensor is directly illuminated by strong lighting (especially an inverter type of fluorescent lamp etc.), it might cause the remote control transmitter not to work correctly. In this case, reposition the main unit to avoid direct lighting.

# CONTROLS AND THEIR FUNCTIONS

## FRONT PANEL



### 1 POWER switch

Press this switch to switch the power on. Press it again to switch the power off.

### 2 Display panel

Shows station frequencies and various information. (Refer to the next page for details.)

### 3 Remote control sensor

Receives signals from a remote control transmitter provided with a YAMAHA amplifier or receiver.

### 4 PRESET STATIONS buttons

Select a preset station number (1 to 8).

### 5 TUNING DOWN and UP buttons

Used for tuning. Press the "UP" button to tune in to higher frequencies, and press the "DOWN" button to tune in to lower frequencies.

### 6 A/B/C/D/E button

Press this button to select a desired group (A–E) of preset stations.

### 7 MEMORY (MAN'L/AUTO FM) button

When this button is pressed, the MEMO indicator flashes for about 5 seconds. During this period, press the desired **PRESET STATIONS** button to enter the displayed station into the memory.

When this button is pressed and held for about 3 seconds, the automatic preset tuning begins. (Refer to page 9 for details.)

### 8 EDIT button

This button is used to exchange the places of two preset stations with each other.

### 9 FM/MW/LW button

Press this button to switch the reception band to FM, MW or LW.

### 10 TUNING MODE (AUTO/MAN'L MONO) button

Press this button to switch the tuning mode to automatic or manual. To select the automatic tuning mode, press this button so that "AUTO" lights up on the display. To select the manual tuning mode, press this button so that "AUTO" goes off.